Using PowerLab 8

Quick reference

IMPORTANT: To prevent damage to the power source, you must specify the power source's voltage and current cutoffs before charging for the first time with a DC power supply, and before charging for the first time from a battery. After that, update the power source's operating characteristics any time you change to a different DC power supply or battery. You can also specify cutoffs in the CCS **Supply** tab.

This quick reference lists common PowerLab 8 tasks. What do you want to do?

To do this...	Do this...	
Select power source type*	1. Apply power. 2. Press any button. 3. At the **Power Source?** screen, use the **INC** or **DEC** button to select **Battery** or **DC Power Supply** (i.e., what is currently powering the PowerLab 8). 4. Press **ENTER** to display User Preset list.	
Navigate the menus	■ In the User Presets list: Press **INC** and **DEC** to scroll through User Presets. Press and hold **INC** or **DEC** to scroll rapidly. ■ In the User Presets list: Press **ENTER** to set up to charge with the displayed preset. ■ In menus: Press **INC** and **DEC** to scroll through options. Press and hold **INC** or **DEC** to scroll rapidly. ■ In menus: Press **ENTER** to select the displayed option and move to the next screen. ■ Press **BACK** to go back one screen. ■ Press and hold **BACK** to go directly to the User Presets list from any location. ■ Press **INC**+**DEC** (i.e., simultaneously) to access **Preset Settings**, **Charger Options**, **Manage Presets** and **Button Help** functions.	
Connect a pack	■ For balanced charging up to 3A: Attach 9-pin connector to Balance Port (may require adapter). ■ For balanced charging at any current: Attach pack discharge wires to Output jacks using banana cable, attach 9-pin connector to Balance Port (may require adapter). ■ For non-balanced charging: Attach pack discharge wires to Output jacks using banana cable.	Details

Charge, discharge, cycle or monitor a pack	1. Apply power and select power source (see above). 2. Connect pack. 3. Press **INC** or **DEC** to select desired User Preset, then press **ENTER**. 4. For each question, press **INC** or **DEC** to select correct answer, then press **ENTER**. 5. **CHECKING PACK** indicates PowerLab 8 is attempting to detect attached pack. 6. Screen displays preset's chemistry. If this matches pack's chemistry, press **ENTER** to start. (If they don't match, just wait for the next prompt, then press **ENTER** to return to the User Preset list.) 7. During the operation: ■ Press **INC** or **DEC** to view data. ■ Press **ENTER** to change charge current. ■ Press and hold **ENTER** to stop the operation. 8. "Beep beep beep" indicates the operation is complete. Display shows elapsed time. Press **INC**/**DEC** to review data. Operation is complete, but "session" remains open so you can review collected data. Press and hold **ENTER** to terminate session (this erases session data). 9. Disconnect pack. 10. Press **ENTER** to return to User Preset list.	Details
Charge packs in parallel	Only use REVOLECTRIX Safe Parallel Adapters and stackable safety banana plugs when charging/discharging/cycling packs in parallel. Connect up to 9 batteries—of same chemistry, cell count and capacity—in parallel by stacking banana plugs. Charge as above, but enter number of packs at **Parallel Packs?** question (e.g., 2P, 3P, 4P). PowerLab 8 divides current setting equally between packs.	Details

*Assumes **Choose Power Source at Startup** is enabled in the CCS.

For Full Instructions - See enclosed DVD or download from website.